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CalOMS System Development

First Phase

- **Input - Develop a system that accept data from the counties**

Second Phase

- **Output – Develop system and outcome reports for the counties**



Data Collected

- **Unique Client Identifiers (UCI)**
- **California Alcohol and Drug Data Set (CADDs)**
- **Treatment Episode Data Set (TEDS)**
- **National Outcome Data Set (NOMS)**
- **Minimum Treatment Outcome Questions (MTOQ)**



Data Collection Points

Phase 1

- **Admission**
- **Discharge**
- **Annual Update**

Phase 2

- **Follow-Up**



Data Elements

- **Client Identification**
- **Client Demographics**
- **Admission Data**
- **Discharge Data**
- **Alcohol and Drug Use Data**



Data Elements (continued)

- **Employment Data**
- **Criminal Justice Data**
- **Medical/Physical Health Data**
- **Mental Health Data**
- **Family/Social Data**



Types of Outcome Reports/Data

CalOMS Outcome Reports:

- **Scheduled Standard Reports**
- **On-Demand Standard Reports**

CalOMS Outcome Data:

- **Standard Reports**
- **File Extract**



Standard Reports

- **Scheduled Reports:**
 - **Similar to CADDIS Quarterlies**
- **On-Demand Reports:**
 - **10-12 standard reports**
 - **with choice of parameters**



Parameters (Proposed)

- **Service Levels** (state, county and provider)
- **Treatment Frame** (admission to discharge)
- **Service Frame** (treatment episodes)
- **Reporting Period** (flexible date ranges)
- **Primary Drug** (alcohol, heroin)
- **Service Modality** (NTP, ODF)



CalOMS Raw Data

- **Standard Reports:**
 - scheduled reports
 - on-demand reports
- **File Extracts:**
 - admission and discharge
 - all data elements



Access to Reports and Data

- **Information Technology Web Server (ITWS) – DMH Web Portal**
- **Access Authorization**
- **Menu Driven Selection**
- **View, Print or Download**



Types of Measures and Analysis

- **Process**
 - treatment population
 - service delivery
- **Outcome**
 - service utilization
 - treatment effectiveness



Process Measures & Analysis

- **Treatment Population**
 - client demographics
 - other client characteristics
- **Service Delivery**
 - source of referral
 - waiting list
 - type of service



Examples of Process Analysis

- **Treatment Population**
 - older adults entering treatment
 - pregnant women in treatment
- **Service Delivery**
 - drug court referrals
 - average wait for NTP clients
 - clients in residential programs



Using Process Analysis

- **Compare Treatment Population**
 - population in need
 - trends over time
- **Service Delivery**
 - effects of outreach
 - treatment capacity
 - services utilized



Outcome Measures & Analysis

- **Service Utilization**
 - length of stay (LOS)
 - completion rates
- **Treatment Effectiveness**
 - changes in AOD use
 - changes in life domains



Examples of Outcome Analysis

- **Service Utilization**
 - LOS in residential by primary drug
 - Completion and discharge reasons
- **Treatment Effectiveness**
 - Reduction of alcohol and drug use
 - Elimination of criminal involvement



Use of Outcome Measures

- **Service Utilization**
 - **Standard LOS in the field**
 - **Comparing completion rates**
- **Treatment Effectiveness**
 - **Reduction of AOD use**
 - **Increased functionality**



Treatment Effectiveness Indicators

- **Successful completion of treatment**
- **Abstinence/reduction in alcohol and drug use**
- **Increased/retained employment and school (or job training) enrollment**
- **Elimination/reduction of involvement with the criminal justice system**



Treatment Effectiveness Indicators

- **Elimination or reduction in medical problems**
- **Decreased mental health symptomatology and utilization of emergency services**
- **Increased stability in family and living conditions**
- **Increased access to support services**



Quality of the Data

- **Timeliness**
- **Completeness**
- **Accuracy**
- **Reliability**
- **Validity**



Additional Research by OARA

- **Trend Analysis**
- **Retention Analysis**
- **Risk Factor Analysis**
- **Time Series Analysis**
- **Other Statewide Data Analysis**